

## Darren J. Hillelonds: Selected Publications

“Quantifying Drug-Protein Binding *In Vivo*.” Hillelonds, D.; Palmlad, M.; Grant, P.G., Bench, G.; Buchholz, B.A.; Keating III, G.; Vogel, J.S. in *Synthesis and Application of Isotopically Labeled Compounds* John Wiley & Sons, Chichester, Unreviewed, In Press.

“Quantifying Human Vitamin Kinetics with AMS” Vogel, J.S.; Dueker, S.R.; Lin, Y.; Clifford, A.J.; Ognibene, T.; Hillelonds, D.; Buchholz, B.A. in *Synthesis and Application of Isotopically Labeled Compounds* John Wiley & Sons, Chichester, Unreviewed, In Press.

“Exposure History and Terrestrial Ages of Ordinary Chondrites from the Dar al Gani Region, Libya.” Welten, K.C.; Nishiizumi, K.; Finkel, K.C.; Hillelonds, D.J.; Jull, A.J.T.; Franke, L.; Shultz, L. *Meteoritics and Planetary Science* 2004 **39**(1).

“Alpha Particle Energy Loss Measurement of Microgram Depositions of Biomolecules.” Grant, P.G.; Palmlad, M.; Murov, S.; Hillelonds, D.J.; Ueda, D.; Vogel, J.S.; Bench, G. *Analytical Chemistry* 2003 **75**(17), 4519-24.

“The Irradiation History of the Ghubara (L5) Regolith Breccia.” Ferko, T. E.; Wang, M-S.; Hillelonds, D. J.; Lipschutz, M. E.; Hutchinson, R.; Franke, L.; Sherer, P.; Shultz, L.; Benoit, P. H.; Sears, D. W. G.; Singhvi, A. K.; Bhandari, N. *Meteoritics and Planetary Science* 2002 **37**, 311-28.

“Accelerator Mass Spectrometry Dating at Çatalhöyük.” Gökturk, E. H.; Hillelonds, D. J.; Lipschutz, M. E.; Hodder, I. *Radiochimica Acta* 2002 **90**, 407-10.

“Testing the Atomic Structure of Beryllium with AMS.” Javorsek II, D.; Elmore, D.; Fischbach, E.; Miller, T.; Stohler, M.; Bourgeois, M.; Hillelonds, D.; Marder, J.; Rohrs, H.; Vogt, S. *Nuclear Instruments and Methods in Physics Research B* 2002 **194**, 78-89.

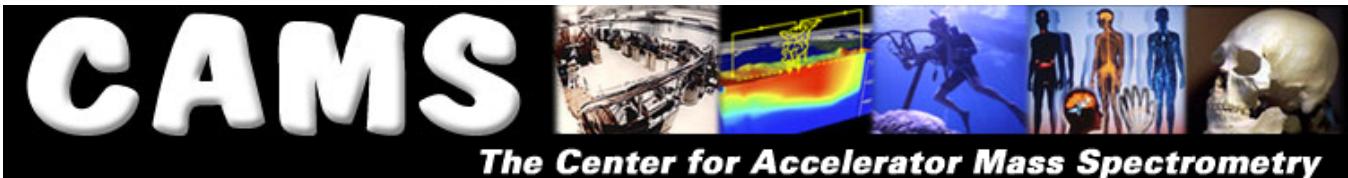
“PRIME Lab Sample Handling and Data Analysis for Accelerator-Based Biomedical Radiocarbon Analysis.” Hillelonds, D. J.; Record, R.; Rickey, F. A.; Badylak, S.; Jackson, G. S.; Simmons-Byrd, A.; Elmore, D.; Lipschutz, M. E. *Radiocarbon* 2001 **43**(2A), 305-11.

“In Vivo Degradation of <sup>14</sup>C-Labeled Small Intestinal Submucosa (SIS) When Used For Urinary Bladder Repair.” Record, R. D.; Hillelonds, D.; Simmons, C.; Tullius, R.; Rickey, F. A.; Elmore, D.; Badylak, S. F. 2001 *Biomaterials* **22**, 2653-9.

“Attomole Detection of Labeled Compounds.” Jackson, G. S.; Rickey, F. A.; Hillelonds, D.; Rounds, M. A.; Elmore, D. *Current Separations* 2000 **19**(1), 3-8.

“New Experimental Test of the Pauli Exclusion Principle Using Accelerator Mass Spectrometry.” Javorsek II, D.; Bourgeois, M.; Elmore, D.; Fischbach, E.; Hillelonds, D.; Marder, J.; Miller, T.; Rohrs, H.; Stohler, M.; Vogt, S. *Phys. Rev. Lett.* 2000 **85**(13), 2701-4.

“The PRIME Lab Biomedical Program.” Jackson, G. S.; Elmore, D.; Rickey, F. A.; Musameh, S. A.; Sharma, P.; Hillelonds, D.; Coury, L.; Kissinger, P. *Nuclear Instruments and Methods in Physics Research B* 2000 **172**, 899-903.



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“Regeneration of Tissue About an Animal-Based Scaffold; AMS Studies of the Fate of the Scaffold.” Rickey, F. A.; Elmore, D.; Hillegonds, D.; Badylak, S.; Record, R.; Simmons-Byrd, A. *Nuclear Instruments and Methods in Physics Research B* 2000 **172**, 904-909.